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THE REPTILES AND BATRACHIANS OF  
RHODE ISLAND/❁ ❁ BY  
FRÉDERICK P. DROWNE, M.D.

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# THE REPTILES AND BATRACHIANS OF RHODE ISLAND ❁ ❁ ❁

BY

FREDERICK P. DROWNE, M.D.

## INTRODUCTION.

The reptiles and batrachians of Rhode Island have been given much less attention than other divisions of our fauna. It was with the idea of stimulating interest in these animals that a state check list was suggested to the author by Mr. Davis. Species likely to occur in the state, as well as those of which we have records, have been included in the following list which is probably very nearly complete.

There is everywhere a popular prejudice against reptiles and batrachians of all kinds, with the exception possibly of turtles and frogs, and even these are destroyed in great numbers. In this state the only noxious species are the rattlesnake and copperhead. Of these, the rattlesnake is very seldom seen, and we have no record of the copperhead, although its occurrence is a possibility. All the other species found in our state are not only harmless, but in many instances really beneficial, doing much good by devouring insects and other vermin. They should receive then general protection, especially from the farmers and gardeners whom they benefit the most.

The food of the turtles is varied. Some species prey almost entirely upon worms, insects and small aquatic reptiles, while others eat much vegetable food, such as potatoes, melons and mushrooms. The snapping turtle is fond of frogs and fishes, and occasionally, judging from accounts, varies its diet with young ducks. The food of the snakes is also subject to

much variation. They eat worms, insects, frogs, toads and small quadrupeds such as mice, rats and young rabbits. Young birds and chickens are occasionally devoured. The amphibians eat principally small insects, worms, and some of the small mollusks. The bullfrog has been accused of preying upon young ducks.

The snakes are nearly all oviparous. They deposit their eggs which are elliptical in shape and covered with a soft, leathery shell, in such situations that moist heat will furnish the means of hatching. The Crotalidae, represented in this list by the rattlesnake and copperhead, are ovo-viviparous, bringing forth living young, the eggs being retained in the oviduct until the embryos are fully developed. The lizards and turtles are oviparous, the lizards hiding their eggs in various protected situations, the turtles covering their eggs up in the dirt or sand. The frogs and toads lay their eggs, which are enveloped in a jelly-like medium, in the water of ponds and ditches. The newly hatched young are the familiar tadpoles which pass through several stages before attaining the adult form. The tailed amphibians lay their eggs in water or in damp situations on land. The young possess external gills which disappear as they attain the adult form.

During the cold months the various species hibernate in the mud or in protected places, to again resume their activities when the warm spring weather appears.

It has been deemed advisable to give a brief description of each species, which may serve as a means of identification to those who do not have access to more extended descriptions. Where species are represented by state specimens in the collection at the Roger Williams Park Museum, it has been so noted.

In arranging this list I have used freely the following excellent works: The Crocodilians, Lizards and Snakes of North America, Cope; The Reptilians and Batrachians of New York, DeKay; The Reptiles and Amphibians of Ohio, Smith; The Batrachia of North America, Cope; List of Reptiles of New England, Henshaw; List of Batrachia of New England, Henshaw.

I wish to extend my thanks to Mr. C. Abbott Davis, curator of the Roger Williams Park Museum, for courtesies extended to me at the museum and for other assistance in the preparation of this list.

FREDERICK P. DROWNE, M. D.

Providence, R. I., August 14, 1905.

## REPTILIA.

## CHELONIA.

## ATHECAE.

- 1.
- Dermochelys coriacea*
- , Linnaeus.

The leather turtle.

*Testudo coriacea*, Linnaeus.

*Sphargis coriacea*, Linnaeus, Holbrook.

Length 6 to 8 feet. General color of head and upper parts dull blackish brown, extremities obsoletely spotted with grayish. The under parts marbled with blackish on a yellowish or soiled whitish ground. Carapace smooth, polished, leathery in appearance, its surface divided into separate, oblong furrows, by seven equidistant, longitudinal ridges. Plastron smooth. Anterior feet smooth, elongated, ending in blunt point, and twice the length of posterior pair.

Marine.

Several years ago a specimen was taken near Newport.

## THECOPHORA.

- 2.
- Chelydra serpentina*
- , Linnaeus.

Snapping turtle; Snake tortoise.

*Testudo serpentina*, Linnaeus, Daudin, Leconte.

*Chelonura serpentina*, Say, Holbrook, Kirtland, DeKay.

*Emys serpentina*, Gray, Merrem.

*Emysaurus serpentina*, Storer, Dumeril and Bibron.

*Chelydra serpentina*, Gray, Cope, Allen, Jordan.

Length 2 to 4 feet. Color above olivaceous or dirty brown; under parts yellow which becomes dull with age; color frequently obscured by adhering mud and algae. Head large, eyes set close together, jaws hooked. Neck long, skin of neck studded with warty prominences. Carapace oval in contour, with a dorsal ridge and three dentate processes on posterior edge. Legs robust and covered with scales.

Ponds and muddy streams; occasionally met with at a distance from the water.

Occurs generally about the state.

R. W. P. Coll., three specimens and eggs.

- 3.
- Cinosternum odoratum*
- , Latreille.

Mud turtle; Musk turtle; Stink pot.

*Testudo odorata*, Latreille, Daudin, Leconte.

*Cistudo odorata*, Say.

*Emys odorata*, Schweigger, Harlan, Kirtland.

*Kinosternon odorata*, Gray, Leconte.

*Ozotheca odorata, et tristycha*, Agassiz.

*Aromochelys odoratus*, Cope, Jordan.

Length  $3\frac{1}{2}$  to 5 inches. Color of carapace olive brown or green with dark stripes on lateral and marginal plates; plastron yellowish with dark blotches. Head and neck colored like carapace, with yellow lines on each side; feet and tail reddish brown. Colors frequently obscured by adhering mud. Carapace oblong, broader behind than in front, with a dorsal ridge. Head large, pyramidal, nostrils placed at end of snout. Neck, legs and feet granulated. Tail short, with several series of pointed warty growths. Strong, musky, disagreeable odor.

Ditches and ponds.

R. W. P. Coll., one specimen which was taken in Cranston.

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4. *Chrysemys picta*, Schneider.

Painted turtle; Mud turtle.

*Testudo picta*, Herm, Schneider, Gmelin, Shaw, Daudin.

*Testudo cinerea*, Schneider, Shaw, Schoepff.

*Emys picta*, Schweigger, Merrem, Say, Fitzinger, Gravenhorst, Leconte, Harlan, Gray, Dumeril and Bibron, Holbrook, Storer, DeKay.

*Emys cinerea*, Schweigger, Merrem.

*Chrysemys picta*, Agassiz, Allen, Cope, Jordan.

*Chrysemys dorsalis*, Agassiz.

Length 5 to 9 inches. Color of carapace olive brown, sometimes darker, with irregular yellow lines, margined with black; a narrow, yellow dorsal line; plastron orange or yellow, often with black blotches; neck, feet and tail, dark brown or black with red and yellow stripes. Carapace oblong, smooth, minutely notched behind. The median line of plastron often irregular. Head moderate in size, upper jaw notched. Tail short, scaly.

Ponds and muddy places.

Occurs generally about the state. Very common in Cunniff's Pond.

R. W. P. Coll., six specimens and eggs.

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5. *Clemmys guttata*, Schneider.

Spotted turtle.

*Testudo guttata*, Schneider, Shaw.

*Testudo punctata*, Schneider, Schoepff, Latreille, Daudin, Leconte.

*Emys punctata*, Merrem, Say, Harlan, Kirtland.

*Emys guttata*, Schweigger, Holbrook, Storer, Gray, DeKay, Dumeril and Bibron.

*Clemmys punctata*, Wagler.

*Chelopus guttatus*, Cope.

*Nanemys guttatus*, Agassiz, Jordan.



Length 3 to 5 inches. Color of carapace black with irregularly placed round, yellow spots; plastron yellow, with more or less dusky brown or black; marginal plates yellowish beneath; head and neck dark brown with irregular red spots; feet dark colored, reddish within. Carapace ovate, higher behind than in front. Plastron broadly notched behind. Head moderate. Legs scaly. Tail pyramidal, pointed, slightly dorsal prominence.

Ponds and sluggish streams.

Occurs generally about the state; common in Pawtuxet River.

R. W. P. Coll., four specimens.

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6. *Clemmys insculpta*, Leconte.

Wood turtle; Sculptured tortoise.

*Testudo insculptus*, Leconte, Harlan.

*Emys scabra*, Say.

*Emys insculptus*, Leconte, Holbrook, DeKay, Storer.

*Emys pulchella*, Dumeril and Bibron.

*Emys speciosa*, Gray.

*Glyptemys insculptus*, Agassiz, Verrill, Allen.

*Chelopus insculptus*, Cope, Jordan.

Length 8 to 10 inches. Color of carapace brown tinged with reddish, each plate with radiating and concentric lines; plastron yellow, each plate with a black blotch near its outer, posterior margin; under surface of neck, legs and tail, red, with a sprinkling of black; often a yellow line on each side of neck. Carapace oval in contour, carinate; plastron with a deep notch between the two anal plates. Head of moderate size, flattened above, lower jaw hooked. Legs stout, scaly. Tail short, scaly, tapering to acute tip.

Dry fields and woods, often at some distance from water.

Rare in R. I.

R. W. P. Coll., two specimens.

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7. *Emys blandingii*, Holbrook.

Blandings tortoise; Speckled turtle.

*Testudo melegris*, Shaw.

*Lutremys meleagris*, Gray, Leconte.

*Cistudo blandingii*, Holbrook, DeKay, Storer.

*Emys meleagris*, Agassiz, Cope, Jordan.

Length 7 to 9 inches. Color of carapace black with numerous oblong and round yellow spots; plastron yellow with a large dark blotch at the outer posterior angle of each plate, often almost entirely black; head black with yellow spots; legs dark colored, yellowish beneath; tail black above with two

faint yellowish lines, dusky beneath. Carapace smooth, less elongated than in *C. carolina*. Plastron deeply marginate behind, full and rounded in front. Head moderate in size, lower jaw hooked, neck long. Legs robust, scaly.

Vicinity of ponds and streams.

Recorded in R. I.—N. Y. specimen in R. W. P. Coll.

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8. *Malacoclemmys terrapin*, Schoepff.

Terrapin.

*Testudo terrapin*, Schoepff.

*Emys terrapin*, Schoepff, Holbrook.

Length 5 to 10 inches. Color of carapace ashy brown or gray, with black concentric markings on each plate; beneath reddish or orange, occasionally paler. Head, neck and extremities gray, spotted with black. Carapace oval, carinate.

Salt or brackish streams near the seashore.

Recorded from Mass. and Conn., also from R. I. by Holbrook in 1842.

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9. *Malacoclemmys geographica*, Lesueur.

Geographical terrapin; Map turtle.

*Testudo geographica*, Lesueur, Leconte, Holbrook.

*Emys geographica*, Leconte, Kirtland, DeKay.

*Graptemys geographica*, Agassiz.

Length 9 to 10 inches. Color of carapace olive brown with a network of yellow stripes, these markings being less prominent towards the centre. Plastron yellow, often brown or black in centre. Head and neck dark olive, striped with yellow, longitudinal lines; legs and tail olivaceous, striped with yellow. Carapace oval in contour, smooth, widely emarginate in front, notched behind. Head very large. Legs long, scaly. Tail short, pointed.

Fresh water.

Unlabeled specimen in Kingston College collection, supposed to be from R. I.

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10. *Cistudo carolina*, Leconte.

Box turtle.

*Cistudo clausa*, Gmelin.

*Cistudo virginia*, Allen.

*Testudo carolina*, Linnaeus.

*Cistudo carolina*, Kirtland, Storer, DeKay.

Length 5 to 7 inches. Color of carapace black with irregular spots, bands or blotches, the extent and character of the markings varying much. Plastron black, yellowish, reddish or spotted. Head, neck and extremities light yellow, sometimes darker, with irregular black stripes on head. Carapace hemi-

spherical, elevated, with dorsal ridge. Plastron smooth, entire behind. Head stout, neck long; legs robust, scaly; tail short, conical.

Dry land. Never frequent water though sometimes found in damp places. Uncommon in R. I. R. W. P. Coll., two specimens.

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11. *Chelonia mydas*, Linnaeus.

Green turtle.

*Testudo mydas*, Linnaeus.

*Testudo viridis*, Schneider.

Length 2 to 6 feet. Color a dull greenish inclining to olive brown. Shell smooth, slightly keeled in centre. Fore feet in shape of fins, longer than those behind. Two nails on each foot. Tail very short.

Marine. Recorded from R. I.

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12. *Thalassochelys caretta*, Linnaeus.

Loggerhead turtle.

*Testudo caretta*, Linnaeus.

*Chelonia caretta*, Linnaeus, Holbrook.

Length 3 to 6 feet. Median portion of vertebral plates elevated forming mid-dorsal ridge. Five vertebral, ten costal plates. Limbs modified into paddles. A very large species, individuals weighing over five hundred pounds.

Marine. Recorded from R. I.

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## SAURIA.

### LACERTILIA.

13. (1.) *Sceloporus undulatus*, Latreille.

Fence lizard; Swift.

*Sceloporus occidentalis*, Baird and Girard, Girard.

*Sceloporus frontalis*, Baird and Girard.

*Sceloporus undulatus thayerii*, Cope.

*Sceloporus longipes*, Baird.

*Sceloporus elongatus*, Stajneger.

*Lacerta undulata*, Daudin.

*Lacerta fasciata*, Green.

*Lacerta hyacinthina*, Green.

*Tropidolepis undulatus*, Cuvier, Holbrook, Gray, Dumeril and Bibron, DeKay, Storer.

*Stellio undulatus*, Wiegman, Fitzinger, Girard, Cope, Boulenger.

Length 7 inches. Color above brownish; male with a black patch on posterior half of chin, extending on each side to shoulder; belly with a blue patch on each side, black internally and behind. Female lacks the blue and black coloring on under

parts, these being whitish with short dark longitudinal lines.

"Sandy and rocky soils, especially regions of pine forests."  
(Henshaw.)

Recorded in Conn.

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14. (2). *Cnemidophorus sexlineatus*, Linnaeus.

Six-striped lizard.

*Lacerta sexlineata*, Linnaeus, Gmelin, Latreille, Daudin, Harlan.

*Ameiva sexlineata*, Holbrook.

*Cnemidophorus sexlineatus*, Gray, Dumeril and Bibron, Cope, Bocourt, Boulenger.

Length 8 inches. Head dusky brown; a purple or brownish band on back extending from occiput to tail; on each side of this are three yellow longitudinal lines, the space between jet black; throat and abdomen whitish.

"Among bushes in high, dry situations." (Henshaw.)

Recorded in Conn.

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15. (3). *Eumeces quinquelineatus*, Linnaeus.

Blue tailed lizard.

*Eumeces fasciatus*, Cope.

*Lacerta fasciata*, Linnaeus, Shaw, Latreille.

*Lacerta quinquelineata*, Linnaeus, Gmelin, Green, Say.

*Scincus tristatus*, Daudin.

*Scincus quinquelineatus*, Schneider, Latreille, Daudin, Kuhl, Merrem, Harlan, Schlegel.

*Scincus bicolor*, Harlan, Cuvier.

*Scincus fasciatus*, Holbrook, Storer, DeKay.

*Eumeces quinquelineatus*, Bocourt, Smith, Peters.

Length 7 to 10 inches. Color dark olive green above, with five whitish or yellow stripes which are very distinct in the young but become indistinct with age, and may disappear entirely; the median stripe bifurcates at the occiput, the branches uniting at the rostrum. Under parts light salmon, tinged with bluish on the belly and sides of tail. Tail one and one-fourth or one or one and one-half times the length of body when perfect.

"In earth, logs and stumps, and under bark." (Henshaw.)

Recorded in Mass. and Conn.

## OPHIDIA.

## COLUBRIDAE.

16. (1).
- Carphophiops amoenus*
- , Say.

Ground snake; Worm snake.

*Carphophis amoena*, Dumeril and Bibron, Gunther, Boulenger.*Coluber amoenus*, Say, Cope, Storer.*Calamaria amoena*, Schlegel.*Brachyorrhos amoenus*, Holbrook.*Celuta amoena*, Baird and Girard.*Celuta helenae*, Kennicott.

Length 12 inches. Head very small. Color above uniform, glossy, chestnut brown, abdomen salmon color.

Damp situations, under logs, stones or collections of leaves.

Recorded from Scituate and Prov., R. I. R. W. P. Coll., one specimen.

17. (2).
- Diadophis punctatus*
- , Linnaeus.

Ring-necked snake.

*Coluber punctatus*, Linnaeus, Daudin, Harlan, Storer, Holbrook, DeKay.*Coluber torquatus*, Shaw.*Calamaria punctata*, Schlegel.*Ablabes punctatus*, Dumeril and Bibron, Gunther.*Diadophis occipitalis*, Cope.*Diadophis dysopes*, Cope.*Ablabes occipitalis*, Gunther.*Coronella punctata*, Boulenger.*Diadophis punctatus*, Baird and Girard, Cope, Jan, Garman, Bocourt.

Length 15 inches. Color above bluish black, without spots; abdomen yellowish orange, with a medial series of black spots, these spots sometimes absent; a yellowish ring in occipital region.

Under logs and stones. R. W. P. Coll., six specimens.

18. (3).
- Heterodon platyrhinus*
- , Latreille.

Hog-nosed snake; Blowing adder.

*Coluber heterodon*, Daudin, Harlan.*Coluber cacodacmon*, Shaw.*Scytale niger*, Daudin, Harlan.*Pelias niger*, Merrem.*Heterodon niger*, Troost, Holbrook, Baird and Girard, Dumeril and Bibron.*Heterodon cognatus*, Baird and Girard.*Heterodon atmodes*, Baird and Girard.*Heterodon platyrhinus*, Holbrook, Dumeril and Bibron, Baird and Girard, Cope, Boulenger.

Length 25 to 30 inches. Color yellowish gray or reddish brown above, sometimes with about twenty-eight dark blotches on body, fifteen black half rings on tail. One or two series of lateral spots. Beneath greenish yellow, with indistinct greenish brown blotches. A dark band across forehead extending to angle of mouth. Body short and stout, tail long. Upper surface of rostral plate compressed into a sharp ridge.

Dry, sandy districts. R. W. P. Coll., four specimens.

- 
19. (4). *Liopeltis vernalis*, DeKay.

Grass snake; Green snake.

*Coluber vernalis*, DeKay, Harlan, Storer, Holbrook, Thompson.

*Chlorosoma vernalis*, Baird and Girard.

*Herpetodryas vernalis*, Hallowell.

*Cyclophis vernalis*, Gunther.

*Contia vernalis*, Boulenger.

*Liopeltis vernalis*, Cope.

Length 20 inches. Color above uniform, bright green, beneath yellowish white. Tail one-third or one-fourth total length; scales in fifteen rows.

Fields and meadows. Very abundant.

R. W. P. Coll., ten specimens and eggs.

- 
20. (5). *Cyclophis aestivus*, Linnaeus.

Keeled green snake.

*Coluber aestivus*, Linnaeus, Gmelin, Harlan.

*Leptophis aestivus*, Bell, Holbrook, Baird and Girard.

*Herpetodryas aestivus*, Fitzinger, Cope.

*Anguis viridis*, Catesby.

*Cyclophis aestivus*, Gunther, Cope.

Length 25 inches. Color above green, labial region and under parts light yellow. Tail more than one-third of total length. Scales in seventeen rows, and strongly carinated except the outer row.

Arboreal. Recorded from Conn.

- 
21. (6). *Coluber vulpinus*, Baird and Girard.

Fox snake.

*Scotophis vulpinus*, Baird and Girard.

*Elaphis rubriceps*, Dumeril and Bibron.

*Coluber vulpinus*, Cope, Boulenger.

Length 60 inches. General color above light brown. A vertebral and two lateral series of chocolate colored blotches extending from head to tail. The vertebral series are large, quadrate; the lateral series, smaller and rounded. Abdomen yellowish white with black, quadrate blotches.

Recorded from vicinity of Prov., R. I.

22. (7). *Zamenis constrictor*, Linnaeus.

Black snake.

*Coluber constrictor*, Linnaeus, Gmelin, Harlan, Schlegel,

Siorer, Holbrook, Thompson, DeKay, Garman.

*Hierophis constrictor*, Bonaparte.

*Coryphodon constrictor*, Dumeril and Bibron, Gunther.

*Coluber flaviventris*, Say.

*Bascanium constrictor*, Baird and Girard, Cope.

*Bascanium flaviventris*, Baird and Girard.

*Coryphodon flaviventris*, Hallowell.

*Bascanion fremontii*, Baird and Girard.

*Bascanion foxii*, Baird and Girard.

*Bascanion vetustus*, Baird and Girard, Girard, Cooper.

*Bascanion constrictor vetustum*, Cope, Yarrow.

*Zamenis constrictor*, Boulenger.

Length 60 inches. Adult, color above uniform, lustrous blue black, beneath greenish black; chin and throat white. Young; above olive, with rhomboidal, dorsal, dark blotches; beneath greenish white.

Fields and meadows, woodland.

R. W. P. Coll., two specimens and eggs.

23. (8). *Coluber obsoletus*, Say.

Pilot black snake.

*Scotophis obsoletus*, Kennicott.

*Coluber allegheniensis*, Holbrook.

*Scotophis allegheniensis*, Baird and Girard.

*Elaphis allegheniensis*, Allen.

*Elaphis holbrookii*, Dumeril and Bibron.

*Scotophis lindheimerii*, Baird and Girard.

*Coluber obsoletus*, Say, Harlan, Cope.

Length 60 inches. Color above black, sometimes with dorsal series of lighter colored quadrangular blotches. Abdomen slate color, or greenish white mottled with dark slate. Central dorsal scales carinated instead of smooth, which characteristic together with its darker color will serve to distinguish it from *Z. constrictor*.

Recorded in Mass. and Conn.

24. (9). *Osceola doliata triangula*, Boie.

Milk snake; House snake; Chequered adder.

*Ophibolus doliatus triangulus*, Cope.

*Coluber triangulum*, Boie.

*Ablabes triangulum*, Dumeril and Bibron, Hallowell.

*Lampropeltis triangula*, Cope.

*Pseudoclaps*, Berthold.

*Coluber eximius*, DeKay, Harlan, Holbrook, Gunther.

*Ophipolus eximius*, Baird and Girard.

*Coronella triangulum*, Boulenger.

Length 40 to 50 inches. General color above grayish; a dorsal series of reddish brown blotches, with narrow blackish borders, extends from head to tail; two smaller lateral series on each side. Underneath light yellowish or white, with square, black or brown spots.

Fields and meadows, often in vicinity of buildings.

R. W. P. Coll., three specimens.

25. (10). *Ophibolus getulus getulus*, Linnaeus.

Chain snake.

*Coluber getulus*, Linnaeus, Harlan, Peale, Gunther.

*Pseudoelaps getulus*, Fitzinger.

*Coronella getula*, Holbrook, Dumeril and Bibron.

*Anguis annulatus*, Catesby.

*Ophibolus getulus*, Baird and Girard.

*Lampropeltis getulus*, Cope.

*Ophibolus getulus niger*, Yarrow.

*Ophibolus getulus*, Cope.

Length 40 to 50 inches. Color above black, crossed by about thirty yellow lines which are narrow on the dorsum, but widen rapidly on the sides. A series of black blotches on each side, alternating with the dark inclosures on the back. Outer edge of abdomen yellow, center of abdomen blotched with black.

Recorded in Conn.

26. (11). *Natrix fasciata sipedon*, Linnaeus.

Water snake; Water adder.

*Coluber sipedon*, Linnaeus, Gmelin, Shaw, Merrem, Harlan, Storer, Thompson.

*Tropidonotus sipedon*, Holbrook, Dumeril and Bibron.

*Tropidonotus sipedon sipedon*, Cope.

*Tropidonotus fasciatus* var. *sipedon*, Boulenger.

*Coluber poecilogaster*, Wied.

Length 40 to 50 inches. General color of back and sides reddish brown. On the dorsal surface, a series of transverse bands of lighter color, margined with dark brown or black, which widen rapidly on the sides. Abdomen dirty white or yellowish, with red and black blotches. Much variation in color. The markings of the upper parts may be very indistinct. In young individuals, the markings may consist of three series of dark brown spots with darker margins, one on each side and one dorsal.

Generally in or near streams and ponds.

R. W. P. Coll., four specimens and eggs. One specimen, a young one, has two heads.



27. (12). *Natrix leberis*, Linnaeus.

Queen snake; Yellow-bellied snake.

*Coluber leberis*, Linnaeus, Gmelin, Shaw, Daudin.

*Tropidonotus leberis*, Holbrook, DeKay, Dumeril and Bibron, Gunther.

*Regina leberis*, Baird and Girard.

*Coluber septemvittatus*, Say, Harlan, Boulenger.

Length 20 inches. General color above dark brown, with three narrow, longitudinal, dorsal, black bands, and a lateral yellow band. Abdomen yellowish, with two lateral and two medial brown bands.

Recorded in Conn.

- 
28. (13). *Storeria dekayi*, Holbrook.

DeKays snake.

*Tropidonotus dekayi*, Holbrook, DeKay.

*Ischnognathus dekayi*, Dumeril and Bibron, Boulenger.

*Tropidonotus ordinatus*, Storer.

*Storeria dekayi*, Baird and Girard, Cope.

Length 12 inches. General color above grayish brown; a dorsal stripe, lighter in color, extends from head to tail, with a series of rounded brown dots on each side. Abdomen grayish white, with one or two black spots near the external edge of each scale.

Under stones and collections of leaves.

R. W. P. Coll., eight specimens.

- 
29. (14). *Storeria occipitomaculata*, Storer.

Spotted-necked snake; Red-bellied snake.

*Tropidonotus occipitomaculatus*, Storer.

*Ischnognathus occipitomaculatus*, Gunther, Boulenger.

*Coluber venustus*, Hallowell.

*Storeria occipitomaculata*, Baird and Girard, Cope.

Length 10 inches. General color above grayish to chestnut brown; a lighter colored vertebral line from head to tail, with a series of small brown spots on each side. Abdomen red or salmon color, with a series of more or less distinct small spots on sides. Three light colored blotches just posterior to head.

Recorded in Mass. and Conn.

- 
30. (15). *Haldea striatula*, Linnaeus.

Brown snake.

*Coluber striatulus*, Linnaeus, Gmelin, Harlan.

*Calamaria striatula*, Schlegel, Holbrook.

*Conoccephalus striatulus*, Dumeril and Bibron.

*Haldea striatula*, Baird and Girard, Cope, Boulenger.

Length 10 inches. Color above reddish gray. Abdomen reddish. A narrow, light chestnut band extends across middle of occipital, spreading over angle of the mouth. Body slender.

Recorded in Mass.

31. (16). *Eutaenia saurita*, Linnaeus.

Ribbon snake.

*Coluber saurita*, Linnacus, Harlan, Storer, Thompson.

*Leptophis sauritus*, Holbrook, DeKay.

*Tropidonotus saurita*, Schlegel, Dumeril and Bibron, Gunther, Boulenger.

*Eutaenia sirtalis*, Baird and Girard.

*Eutaenia saurita*, Cope.

Length 30 inches. General color above dark brown; a vertebral and two lateral, longitudinal yellow stripes. Abdomen greenish white, without spots. Body slender, elongated, tapers out to long, pointed tail.

Fields and meadows. R. W. P. Coll., four specimens.

32. (17). *Eutaenia sirtalis sirtalis*, Linnaeus.

Garter snake; Striped snake.

*Eutaenia sirtalis*, Baird and Girard.

*Tropidonotus ordinatus* var. *sirtalis*, Boulenger.

*Eutaenia sirtalis sirtalis*, Cope, Yarrow.

Length 2 to 3 feet. General color above varies from dark olive green, to darker in old specimens. A vertebral and two lateral yellowish stripes. Three series of small indistinct spots on each side, about seventy from head to anus. Beneath, greenish white with black blotches.

Fields and meadows. R. W. P. Coll., four specimens.

33. (18). *Eutaenia sirtalis ordinata*, Linnaeus.

Garter snake.

*Tropidonotus ordinatus*, Holbrook.

*Eutaenia ordinata*, Baird and Girard.

*Coluber ordinatus*, Linnacus, Gmelin, Harlan.

*Tropidonotus ordinatus*, Holbrook, Boulenger.

*Vipera gracilis maculatus*, Catesby.

*Vipera viridis maculatus*, Catesby.

*Eutaenia sirtalis melanota*, Smith.

*Eutaenia sirtalis ordinata*, Cope.

General appearance same as *Eutaenia s. sirtalis*. Color greenish brown or olive; no stripes, or vertebral and lateral stripes inconspicuous. Three series of small, square, dark blotches on each side, about eighty-five from head to anus. Beneath greenish white with black spots.

R. W. P. Coll., four specimens.

34. (19). *Eutaenia sirtalis graminea*, Cope.

Garter snake.

General appearance same as preceding, but no stripes or blotches. Color being a uniform light green; a spot near end of each gastrosteg.

Recorded in Mass.

## CROTALIDAE.

35. (20).
- Ancistrodon contortrix*
- , Linnaeus.

Copperhead; Deaf adder.

*Agkistrodon contortrix*, Baird and Girard.*Boa contortrix*, Linnaeus.*Agkistrodon mokeson*, Pal. de Beauvois.*Cenchrus mokeson*, Daudin, Harlan.*Scytalus cuprens*, Rainesque, Harlan.*Trigonocephalus cenchrus*, Schlegel.*Trigonocephalus contortrix*, Holbrook, Dumeril and Bibron.*Ancistrodon contortrix*, Baird, Cope.

Length 30 to 40 inches. General color above light chestnut; a series of darker, inverted Y-shaped blotches on each side. Beneath dull yellowish with a series of large dark blotches on each side. Forehead with larger scales than those of neck; poisonous fang teeth in upper jaw; no rattles, tail ending in horny point.

Fields and meadows.

Recorded in Mass. and Conn. and R. I.

36. (21).
- Crotalus horridus*
- , Linnaeus.

Banded rattlesnake.

*Crotalus durissus*, Latreille, Daudin, Harlan, Schlegel, Storer,  
Holbrook, DeKay, Leconte, Baird and Girard, Dumeril  
and Bibron.

*Crotalus atricaudatus*, Latreille, Wagner, Gray.*Urocrotalon durissus*, Fitzinger.*Urosophus durissus*, Gray.

*Crotalus horridus*, Shaw, Cuvier, Gray, Guerin, Griffith, Le-  
conte, Cope.

Length 4 to 5 feet. Color above varies from yellowish tawny to dark brown; a series of brown or black spots on each side of mid-dorsal line, more or less confluent, forming zigzag cross bands. Beneath, color varies from whitish yellow to black gray. Body stout; head broad and triangular; upper jaw with two large fang teeth. Scales of forehead not larger than those of back; last joints of tail horny and flat, forming rattles.

Rocky, wooded regions.

Recorded in R. I. from Tiverton, Foster and "Rattlesnake  
Den." (?)

R. W. P. Coll., two specimens.

## BATRACHIA.

## NEOBATRACHIA.

## URODELA.

37. (1). *Amblystoma opacum*, Gravenhorst.

Marbled salamander; Dark blunt-nosed salamander.

*Amblystoma opaca*, Baird, Gray, Hallowell.

*Salamandra opaca*, Gravenhorst, Dumeril and Bibron.

*Salamandra fasciata*, Green, Holbrook, DeKay.

*Amblystoma fasciatum*, Dumeril and Bibron.

*Amblystoma opacum*, Cope, Strauch, Boulenger.

Length 3 to 4 inches. Color above blackish, with about fourteen blue gray, transverse bands, extending from head to tail. Color below dark slate.

Terrestrial.

R. W. P. Coll., two specimens.

38. (2). *Amblystoma punctatum*, Linnaeus.

Spotted salamander.

*Lacerta punctata*, Linnaeus.

*Lacerta maculata*, Shaw.

*Salamandra venenosa*, Barton, Daudin, Holbrook.

*Lacerta subviolacea*, Barton.

*Salamandra subviolacea*, Harlan, DeKay.

*Amblystoma carolinae*, Gray.

*Amblystoma punctata*, Baird, Hallowell.

*Amblystoma argus*, Dumeril and Bibron.

*Amblystoma punctatum*, Cope, Strauch, Boulenger.

Length 6 inches. Color above black, with a row of large round yellow spots on each side and on legs. Color beneath, paler.

Terrestrial.

R. W. P. Coll., five specimens.

39. (3). *Amblystoma tigrinum*, Green.

Tiger salamander.

*Salamandra tigrina*, Green, Harlan.

*Salamandra ingens*, Green.

*Salamandra lurida*, Sager.

*Triton tigrinus*, Holbrook, DeKay.

*Amblystoma episcopus*, Hallowell, Baird.

*Amblystoma luridum*, Baird, Hallowell.

*Amblystoma tigrinum*, Baird, Cope, Jordan.

Length 7 inches. Color above dark brown, olivaceous on sides. Under parts vary from yellowish white to light olive. Both upper and lower parts marked with yellow rounded spots and blotches, generally very distinct, those below being more scattered. Body stout.

Partially aquatic.

Recorded in Mass.

40. (4). *Amblystoma jeffersonianum*, Green.

Jeffersons salamander; Granulated salamander.

*Salamandra granulata*, DeKay.

*Triton niger*, DeKay.

*Xiphomura jeffersoniana*, Tschudi, Gray.

*Salamandra jeffersoniana*, Green, Holbrook, Harlan, Schlegel.

*Amblystoma fuscum*, Holbrook.

*Amblystoma laterale*, Hallowell.

*Amblystoma platineum*, Cope.

*Amblystoma jeffersonianum*, Baird, Cope, Jordan.

Length 6 inches. Color blackish brown or lead color, with or without lateral bluish white spots, the latter disappearing in alcohol. Body slender.

Roger Williams Park, R. I.

R. W. P. Coll., two specimens, one of these an albino.

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41. (5). *Hemidactylum scutatum*, Tschudi.

Four-toed salamander.

*Salamandra scutata*, Schlegel.

*Salamandra melanosticta*, Gibbes.

*Desmodactylus scutatus*, Dumeril and Bibron.

*Desmodactylus melanostictus*, Dumeril and Bibron.

*Batrachoseps scutatus*, Boulenger.

*Hemidactylum scutatum*, Hallowell, Strauch, Gray.

Length 2 to 5 inches. Color above brown, with black spots on each side, placed irregularly. Beneath white, with large black spots. Four toes on hind foot.

Recorded from R. I.

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42. (6). *Plethodon cinereus cinereus*, Green.

Ashy salamander.

*Salamandra cinerea*, Green.

Length 3 to 4 inches. Upper half of body and tail is a dark liver brown, sometimes a yellowish tinge toward head. Beneath, whitish finely mottled with brown, giving a "pepper and salt" appearance.

Terrestrial; under logs and stones.

Lincoln, R. I. (F. P. Drowne.)

East Greenwich, R. I. (Reginald Heber Howe, Jr.)

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43. (7). *Plethodon cinereus erythronotus*, Green.

Red backed salamander.

*Salamandra erythronota*, Green.

Length 3 to 4 inches. Color of sides grayish brown. A dorsal stripe of red from occiput to end of tail. Color beneath whitish, "pepper and salt" appearance. The color of the dorsal stripe varies from shades of red to orange or yellowish.

Terrestrial; under logs and stones.

R. W. P. Coll., twenty-seven specimens.

44. (8.) *Plethodon glutinosus*, Green.

Stout salamander, Slimy salamander.

*Plethodon glutinosum*, Gray.

*Salamandra glutinosa*, Green, Holbrook, DeKay.

*Salamandra variolata*, Gilliams.

*Salamandra cylindracea*, Harlan.

*Triton porphyriticus*, DeKay.

*Cylindrosoma glutinosum*, Dumeril and Bibron.

*Plethodon glutinosus*, Tschudi, Cope, Strauch, Boulenger.

Length 3 inches. Color bluish black, with small grayish spots on back and sides. Under parts with grayish spots in gular region. Number of spots variable, sometimes very few. Young specimens whitish beneath. Skin lined with glands which secrete a milky juice. Body stout.

Terrestrial; under logs and stones.

Situate, R. I. (F. P. D.) R. W. P. Coll., 4, Cumberland, R. I.

45. (9.) *Gyrinophilus porphyriticus*, Green.

Purple salamander.

*Salamandra porphyriticus*, Green, Cope.

*Salamandra salmonea*, Storer, Holbrook, DeKay.

*Triton porphyriticus*, Holbrook.

*Pseudotriton salmoneus*, Hallowell.

*Amblystoma salmoneum*, Dumeril and Bibron.

*Spelerpes porphyriticus*, Boulenger.

*Spelerpes salmoneus*, Gray, Cope.

*Gyrinophilus porphyriticus*, Cope.

Length 6 inches. Color above yellowish brown, with irregular gray blotches. Sides salmon color, tinged with yellow. Color below, white.

Aquatic.

Recorded in Mass. and Conn.

46. (10.) *Spelerpes bilineatus*, Green.

Striped salamander.

*Spelerpes cirrigerus*, Baird, Strauch, Gray.

*Salamandra bilineata*, Green, Holbrook, DeKay.

*Salamandra flavissima*, Harlan.

*Salamandra cirrigera*, Green, Holbrook.

*Bolitoglossa bilineata*, Dumeril and Bibron.

*Spelerpes bilineatus*, Baird, Cope, Strauch, Gray, Hallowell, Boulenger.

Length 3 inches. Color yellow, a dark brown or black line on each side, a sprinkling of very fine, brown or black spots on back and sides. Tail about same length as body.

Partially aquatic.

R. W. P. Coll., one specimen.

47. (11). *Spelerpes longicaudus*, Green.

Cave salamander.

*Salamandra longicauda*, Green, Holbrook, DeKay.

*Spelerpes lucifuga*, Rafinesque.

*Cylindrosoma longicauda*, Tschudi.

*Cylindrosoma longicaudatum*, Dumeril and Bibron.

*Spelerpes longicaudus*, Baird, Cope, Strauch, Gray, Hallowell, Boulenger.

Length 5 inches. General color bright yellow, with an irregular sprinkling of black spots on back and sides. Color beneath, paler. Tail much longer than body.

Recorded in Mass. and Conn.

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48. (12). *Spelerpes ruber*, Daudin.

Red salamander.

*Salamandra rubra*, Daudin, Holbrook, DeKay.

*Salamandra maculata*, Green.

*Salamandra subfusca*, Green.

*Salamandra rubriventris*, Green.

*Pseudotriton subfuscus*, Tschudi.

*Pseudotriton ruber*, Baird, Hallowell.

*Spelerpes rubra*, Gray.

*Bolitoglossa rubra*, Dumeril and Bibron.

*Pseudotriton flavissimus*, Hallowell.

*Siren operculata*, Palisot Beauvois.

*Proteus neocaesareanus*, Green.

*Spelerpes ruber*, Cope, Strauch, Boulenger.

Length 5 inches. General color red. Upper parts marked with nearly round dark spots; under surface with minute black dots. Tail round, shorter than body.

Aquatic.

Recorded in Mass. and Conn.

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49. (13). *Desmognathus fusca*, Rafinesque.

Spring newt; Dusky salamander.

*Triturus fuscus*, Rafinesque.

*Salamandra intermixta*, Green.

*Salamandra picta*, Harlan.

*Salamandra quadrimaculata*, Holbrook.

*Plethodon fuscum*, Dumeril and Bibron.

*Plethodon niger*, Hallow.

*Salamandra auriculata*, Holbrook.

*Desmognathus auriculatus*, Baird, Strauch, Gray.

*Cylindrosoma auriculatum*, Dumeril and Bibron.

*Desmognathus fusca* var. *auriculata*, Cope, Boulenger.

*Desmognathus fusca*, Baird, Cope, Strauch, Gray, Boulenger.

Length 3 to 4 inches. General color above blackish brown, sometimes with gray or pink shade. Color beneath, paler. Sides and belly marbled.

Aquatic.

Scituate, R. I. (F. P. D.)

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50. (14). *Diemyctylus viridescens*, Rafinesque.

Newt; Evet; Eft; Crimson spotted triton.

*Triturus (Diemyctylus) viridescens*, Rafinesque.

*Salamandra stellio*, Say.

*Salamandra dorsalis*, Harlan, Wied.

*Salamandra symmetrica*, Harlan, Holbrook, DeKay, Wied.

*Salamandra millepunctata*, Storer.

*Salamandra greenii*, Gray.

*Triton Dorsalis*, Holbrook, Dumeril and Bibron.

*Triton millepunctatus*, DeKay.

*Notophthalmus viridescens*, Baird, Gray.

*Triton punctatissimus*, Dumeril and Bibron.

*Triton symmetricus*, Dumeril and Bibron.

*Triton viridescens*, Strauch.

*Molge viridescens*, Boulenger.

*Diemyctylus viridescens*, Hallowell, Cope.

Length 3 to 4 inches. General color above light brownish olive. A row of three to six red dots, with black borders, on each side. Color beneath light yellow with black dots. Back and sides generally dotted with black.

Aquatic. Very common. R. W. P. Coll., four specimens.

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51. (15). *Diemyctylus viridescens miniatus*, Rafinesque.

Red newt.

*Diemyctylus miniatus*, Hallow.

*Triturus (Notophthalmus) miniatus*, Rafinesque.

*Notophthalmus miniatus*, Baird, Gray.

Length 3 to 4 inches. Color above vermillion, light yellow beneath. The red dots present on sides, but back rarely dotted with black. Now known to be a seasonal or color form of *D. viridescens*. Specimens kept under observation, have changed to the typical coloration of *D. viridescens*.

Aquatic. R. W. P. Coll., three specimens.



## ANURA.

52. (1). *Bufo lentiginosus americanus*, Leconte.

American toad.

*Bufo americanus*, Leconte, Holbrook, Dumeril and Bibron,  
Hallowell, Girard.

*Bufo copei*, Yarroze and Henshaw.

Length  $3\frac{1}{2}$  inches. General color above grayish or brown, with darker spots on dorsum and sides and a light colored mid-dorsal line. Beneath yellowish or dirty white. Skin rough and warty.

Terrestrial, except during the breeding season, when they go to the ditches and ponds.

Very common. R. W. P. Coll., five specimens.

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53. (2). *Scaphiopus holbrookii*, Harlan.

Spade-footed toad.

*Rana holbrookii*, Harlan.

*Scaphiopus solitarius*, Holbrook, Tschudi, Dumeril and Bibron,  
Leconte, Gunther, Boulenger.

*Scaphiopus holbrookii*, Baird, Cope.

Length 3 inches. General color above grayish or brown, dark-brownish or reddish tubercles on flanks. On each side, a yellowish line extends from eye posteriorly, these lines diverging, then converging to unite on the rump. Color beneath grayish white, a black, horny process at base of inner toe.

Subterrestrial. Barrington, R. I.

R. W. P. Coll., one specimen.

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54. (3). *Acris gryllus crepitans*, Baird.

Cricket frog.

*Acris gryllus*, Dumeril and Bibron, Gunther.

*Hylodes gryllus*, DeKay.

*Acris crepitans*, Baird, Leconte.

Length  $1\frac{1}{2}$  inches. Color above brownish, a mid-dorsal stripe of green, a blackish triangular spot between the eyes, three blackish bars on lip; generally three blackish spots, with light colored edges, on each side of dorsal line; blackish cross-bars on surface of femur. Underparts whitish; throat, in spring, yellow.

Edges of streams and ponds.

Recorded in Conn.

Recorded from Rhode Island by Prof. Barlow of Kingston.

55. (4). *Hyla pickeringii*, Storer.

Pickerings tree frog.

*Hylodes pickeringii*, Storer, Holbrook, DeKay, Thompson.

*Hyla femoralis*, Nichols.

*Hyla crucifer*, Max. Von Wied.

*Acris pickeringii*, Gunther.

*Hyla pickeringii*, Leconte, Cope, Boulenger, Jordan.

Length 1 inch. Color above ashy gray to reddish brown, with blackish stripes and spots arranged in form of cross on back. Legs finely barred with transverse, narrow lines. Under parts yellowish white. Conspicuous discs on the fingers and toes.

Aquatic during spring; later, may be found in woods, on ground or in trees.

Very common. R. W. P. Coll., two specimens.

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56. (5). *Hyla versicolor*, Leconte.

Common tree frog.

*Hyla verrucosa*, Daudin.

*Dendrohyas versicolor*, Tschudi.

*Hyla squirrella*, Storer, Allen, Jones.

*Hyla richardii*, Baird.

*Hyla versicolor*, Harlan, Holbrook, Storer, Dumeril and Bibron, DeKay, Thompson, Gunther, Boulenger.

Length 1½ inches. General color above varies from greenish to brown, with brown or black blotches. A conspicuous light gray spot beneath posterior half of eye. Transverse dark bands on legs. Under parts yellowish white. Large round discs on ends of fingers and toes. Body stout and covered with coarse tubercles, with finer ones intermingled.

Trees and fences. R. W. P. Coll., two specimens.

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57. (6). *Rana virescens*, Kalm.

Leopard frog.

*Rana halecina*, Kalm, Daudin, Harlan, Storer, Holbrook, Dumeril, Bibron, Thompson, DeKay, Hallowell, Allen, Cope, Jordan, Gunther.

*Rana aquatica*, Catesby, Klein.

*Rana pipiens*, Gmelin, Sharpe, Schneider, Leconte.

*Rana utricularia*, Harlan.

*Rana virginiana*, Lamarck.

*Rana palustris*, Guerin.

*Rana oxyrhynchus*, Hallowell.

*Rana berlandieri*, Baird.

Length 3 inches. Color above varies from light to dark green, with large black spots, edged with greenish yellow, often placed in two rows. Other irregularly arranged spots on sides. Abdomen whitish or yellowish. Upper surface of legs with transverse bars or blotches of black. Tympanum smaller than eye.

Very active species, frequenting wet places.

R. W. P. Coll., two specimens.

58. (7). *Rana palustris*, Leconte.

Pickereel frog; Marsh frog; Tiger frog.

*Rana pardalis*, Harlan.

*Rana palustris*, Harlan, Dumeril and Bibron, Holbrook, DeKay, Gunther.

Length  $2\frac{1}{2}$  inches. Color above pale brown with two long longitudinal rows of square, dark brown spots, sometimes confluent, on the back and on each flank. Beneath yellowish white. Posterior half of thigh bright yellow, mottled with black. A bright yellow longitudinal line extends from each orbit along side to posterior portion of body.

Vicinity of streams and ponds.

East Greenwich, R. I. (Reginald Heber Howe, Jr.)

59. (8). *Rana clamata*, Daudin.

Green frog.

*Rana clamitans*, Daudin, Merrem, Holbrook.

*Rana fontinalis*, Leconte, Holbrook, Storer, Thompson, DeKay.

*Ranaria melanota*, Rafinesque.

*Rana melanota*, Harlan, Thompson.

*Rana flaviviridis*, Harlan.

*Rana horiconensis*, Holbrook, Thompson, DeKay.

*Rana nigricans*, Agassiz.

*Rana clamata*, Harlan, Dumeril and Bibron.

Length 3 to 4 inches. Color above green to dark olive, with small rounded blotches on back, sides and buttocks. Beneath silvery white. Throat yellowish. Tympanum larger than eye, extending nearly up to it, beyond the articulation of the jaws. A prominent fold of skin extends from eye along the side of the back, becoming lost on posterior portion.

Ponds and streams.

R. W. P. Coll., two specimens.

60. (9). *Rana catesbiana*, Shaw.

Bull frog.

*Rana mugiens*, Merrem, Wagler, Tschudi, Dumeril and Bibron, Gunther.*Rana pipiens*, Hallowell, Holbrook, Kirtland, Storer, DeKay.*Rana scapularis*, Harlan.*Rana conspersa*, Leconte.*Rana catesbiana*, Allen, Cope, Jordan.

Length 7 to 8 inches. Color above olivaceous brown, with darker, irregular blotches, these blotches being more prominent on the legs and sides. Legs above, same color as back. the blotches often replaced with bars. Under parts silvery white with black or brown blotches. Tympanum large, equal in diameter to eye. A fold of skin extends from posterior canthus of eye to the tympanum. No fold of skin on side of back.

Ponds and streams.

Common.

61. (10). *Rana sylvatica*, Leconte.

Wood frog.

*Rana pennsylvanica*, Harlan, Boulenger.*Rana sylvatica*, Harlan, Holbrook, Storer, Dumeril and Bibron, DeKay, Thompson, Allen, Verril.

Length 2 inches. Color above yellowish gray, tinged with brown on sides. Side of head, below lateral fold, including tympanum, reddish brown. Under parts yellowish white, throat mottled with brown. A few spots of black on back and sides, three or four transverse, dark bars on upper surface of thighs. Tympanum small, marked below with whitish. Skin of upper portion of body roughened with minute tubercles. A fold of skin extends from eye posteriorly along side of body to insertion of hind leg. Legs very long, hind legs about three and one-half inches.

Woods, among damp fallen leaves. R. W. P. Coll., three specimens.

## SUMMARY.

Turtles .....	12
Lizards .....	3
Snakes .....	21
Salamanders .....	15
Frogs .....	10
Total .....	61



# Roger Williams Park Museum



## LIST OF MUSEUM MONOGRAPHS

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1	Check-List of Coleoptera of R. I.	Davis	25c.
2	Check-List of North American Unionidae	Davis	10c.
3	Use of Kerosene Emulsion	Sherman	10c.
4	The Making of an Herbarium	Clute	25c.
5	Check-List of R.I. Rotifera	Howard	X
6	Catocalae about Lonsdale R.I.	Dearden	X
7	Prov. Metropolitan Park System	Barker	10c.
8	Check-List of Rhode Island Minerals	Davis	15c.
9	The Cambrian Fossils of Attleboro	Gorham	15c.
10	The American Osprey	Hathaway	10c.
11	Water Mites & how to collect them.	Wolcott	10c.
12	Unios of New England	Davis	10c.
13	Sphingidae of Rhode Island	Dearden	10c.
14	Check-List of Rhode Island Birds	Davis	10c.
15	Reptiles & Batrachians of R.I.	Drowne	25c.
16	Spiders of Rhode Island	Davis	10c.
17	Land Shells of North America		25c.





